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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,348	06/14/2006	Alexandre Benoit	032326-312	2095
21839	7590	09/22/2008		
BUCHANAN, INGERSOLL & ROONEY PC			EXAMINER	
POST OFFICE BOX 1404				FIELDS, COURTNEY D
ALEXANDRIA, VA 22313-1404			ART UNIT	PAPER NUMBER
			2137	
			NOTIFICATION DATE	DELIVERY MODE
			09/22/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com

Office Action Summary	Application No.	Applicant(s)	
	10/553,348	BENOIT ET AL.	
	Examiner	Art Unit	
	COURTNEY D. FIELDS	2137	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 14 October 2005.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-6 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-6 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1.) Certified copies of the priority documents have been received.
 2.) Certified copies of the priority documents have been received in Application No. _____.
 3.) Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>14 October 2005</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

1. Claims 1-6 have been amended.
2. Claims 1-6 are pending.

Information Disclosure Statement

3. The Information Disclosure Statement respectfully submitted on 14 October 2005 has been considered by the Examiner.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Vetillard (Pub No. 2005/0107069).

Referring to the rejection of claim 1, Vetillard discloses a method of managing an original executable code forming a program to be downloaded into a reprogrammable on-board computer system in a microprocessor card said code possessing a cryptographic signature and being executable by the microprocessor of the on-board system after verification by the latter of the validity of the said signature, the said method comprising the following steps:

off card: - identifying a modified executable code corresponding to the original code, adapted to a predefined specific use and from variations between the data of the original code and the corresponding modified code, calculating a software component which, when it is applied to the original code, makes it possible to reconstruct the modified code; (See page 3, Sections 0058-0059)

signing said software component; (See page 3, Sections 0060-0061)
downloading the signed original code and the signed software component into the card; (See page 3, Sections 0062-0064)

on card: - verifying the signatures respectively of the original code and of the software component, applying the software component to the original code so as to reconstruct the modified code for its execution by the microprocessor. (See page 3, Sections 0073-0074)

Referring to the rejection of claim 2, Vetillard discloses the claimed limitation wherein the original executable code consists of an intermediate code, executable by the on-board system microprocessor by means of a virtual machine for interpreting this intermediate code. (See page 3, Sections 0065-0067)

Referring to the rejection of claim 3, Vetillard discloses the claimed limitation wherein the virtual machine is provided with an execution stack and in-that the downloaded software component , applied on card to the original intermediate code, makes it possible to reconstruct a modified intermediate code a priori satisfying the

verification criteria for the said intermediate code according to which the operands of each instruction of said code belong to the data types manipulated by this instruction and, on each target switching instruction, the execution stack of the virtual machine is empty. (See page 2, Section 0056 and page 3, Section 0073)

Referring to the rejection of claim 4, Vetillard discloses the claimed limitation wherein the modified intermediate code obtained by the application of the software component is verified, before its execution by the microprocessor by means of the virtual machine, according to a process verifying that the modified intermediate code satisfies the verification criteria. (See page 2, Section 0056)

Referring to the rejection of claim 5, Vetillard discloses the claimed limitation wherein the downloaded software component, applied on card to the original code makes it possible to reconstruct a modified code so that its execution is more rapid compared with that of the original code. (See page 3, Section 0073)

Referring to the rejection of claim 6, Vetillard discloses the claimed limitation wherein the downloaded software component, applied on card to the original code, makes it possible to reconstruct a modified code so that it procures an optimization in terms of size compared with the original code. (See page 2, Section 0056)

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to COURTNEY D. FIELDS whose telephone number is (571)272-3871. The examiner can normally be reached on Mon - Thurs. 6:00 - 4:00 pm; off every Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Courtney D. Fields/
Examiner, Art Unit 2137
September 13, 2008

/Emmanuel L. Moise/
Supervisory Patent Examiner, Art Unit 2137